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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/718,748	09/23/96	CLARK	C 002690.P001

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EXAMINER

HOOSAIN, A

ART UNIT PAPER NUMBER

2601

5

DATE MAILED: 10/08/97

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

08/718,748

Applicant(s)

Clark

Examiner

Allan Hoosain

Group Art Unit

2601



☒ Responsive to communication(s) filed on 11/21/96, 1/6/97

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-18 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-18 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title; if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim rejected under 35 U.S.C. 103(a) as being unpatentable over **Simon** (US Patent 5,570,354) in view of **Wolff et al** (US Patent 5,327,486).

As to Claim 1, and with respect to Figure 1, **Simon** teaches a DECT digital system (telecomputer network) system comprising:

- a redundant DECT digital microwave communication system (Figure 1, labels 20 and 40);
- a wireless functional area, 22, (local area network (LAN)) (Figure 1, label 22 and Col. 2, lines 1-23); and
- a mobile relay station, 40, that can operate as a mobile hub station configured to transfer information as a single nomadic transmission/reception point between the DECT microwave communication system and the functional area (wireless LAN), such that information is

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transferred over the network using DECT standards but not an Ethernet packet switching protocol (**Simon** - Col. 1, lines 20-28). **Wolff et al** teach a personal telephone manager which interfaces the PSTN and wireless LAN with TCP/IP (Ethernet) protocols (**Wolff et al** - Figure 1 and Col. 8, lines 4-20). Since, **Simon** and **Wolff et al** are in analogous mobile communications activities, it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to add the personal telephone manager of **Wolff et al's** invention to the DECT standards capability of **Simon's** invention for transferring information over the functional area wireless network using an Ethernet packet switching protocol.

As to Claim 2, **Simon** teaches the network defined Claim 1 wherein the DECT microwave communication system operates on DECT standards (as a secured private intranet) (Col. 1, lines 20-28).

Claim 3 is rejected for the same reasons as recited in the rejection of Claim 1.

... As to Claim 4, **Simon** teaches the network defined Claim 1 wherein the functional area (wireless LAN) comprises a plurality of nodes, 20 and 40, with a plurality of portable units, 30.1, 30.2, and 30.4, but not at least one personal computer at each of the plurality of nodes (**Simon** - Figure 1). **Wolff et al** teach a personal computer portable unit for operation in a wireless LAN (**Wolff et al** - Figure 1). Since **Simon** and **Wolff et al** are in analogous mobile communications activities, it

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would have been obvious to one of ordinary skill in the art, at the time the invention was made, to add the personal computer capability of **Wolff et al's** invention to the portable unit capability of **Arnold et al's** invention for having at least one personal computer at each of the plurality of nodes.

As to Claim 5, in addition to the information above, **Simon** further teaches the network defined Claim 1 wherein the DECT microwave communication system comprises a plurality of hubs, Figure 1, labels 40, wherein each hub comprises a wireless router, Figure 4, labels 72 and 76, and a fixed (relay) station, Figure 1, label 20, to relay information between hubs.

As to Claim 6, in addition to the information above, **Simon** further teaches the network defined Claim 1 wherein the mobile relay (hub) station comprises an uplink to the DECT microwave communication system (Figure 1, label X).

As to Claim 7, in addition to the information above, **Simon** further teaches the network defined Claim 1 wherein the mobile relay (hub) station is configured to relay information between the functional area (wireless LAN) and the DECT microwave communication system, and comprises a memory control (channel assignment process server) to control the relaying of information (Figure 4, labels 73-75).

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As to Claim 8, in addition to the information above, **Simon** teaches the network defined Claim 1 wherein the mobile relay (hub) station can perform as a mobile station but does not teach a workstation viewing environment. **Wolff et al** teach a mobile computer with a computer display.

Since, **Simon** and **Wolff et al** are in analogous mobile communications activities, it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to add the computer display of **Wolff et al's** invention to the mobile relay station of **Simon's** invention for the mobile relay station to comprise a workstation viewing environment.

As to Claim 9, in addition to the information above, **Simon** further teaches the network defined Claim 1 wherein the mobile relay (hub) station transmits from a single antenna information within the functional area (comprises an omni-directional antenna) (Figure 4, labels 71 and Col. 3, lines 40-46).

As to Claim 10, in addition to the information above, **Simon** further teaches the network defined in Claim 1 wherein the mobile relay (hub) station can operate as a portable active mobile station (comprises a vehicle) (Col. 1, lines 8-15 and Col. 4, lines 17-23).

Claim 11 is rejected for the same reasons as recited in the rejection of Claim 1.

Claim 12 is rejected for the same reasons as recited in the rejection of Claim 2.

Claim 13 is rejected for the same reasons as recited in the rejection of Claim 5.

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Claim 14 is rejected for the same reasons as recited in the rejection of Claim 6.

Claim 15 is rejected for the same reasons as recited in the rejection of Claim 7.

Claim 16 is rejected for the same reasons as recited in the rejection of Claim 8.

Claim 17 is rejected for the same reasons as recited in the rejection of Claim 9.

Claim 18 is rejected for the same reasons as recited in the rejection of Claims 1 and 4.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Jones (US Patent 5,410,737) teach frequency sharing between wireless systems and private microwave systems.

Fenner (US Patent 5,095,480) teach communications between point-to-point and shared network systems.

4. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 308-5403 (for informal or draft communications, please label
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington. VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Allan Hoosain** whose telephone number is (703) 305-4012. The examiner can normally be reached on Monday to Friday from 7 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Krista Zele**, can be reached on (703) 305-4701.

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Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [krista.zele@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

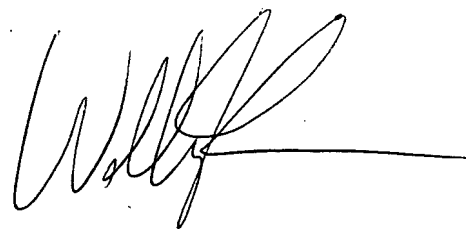
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

AH

Allan Hoosain

Patent Examiner

September 30, 1997

A handwritten signature in black ink, appearing to read 'W. Chin', with a long horizontal line extending to the right.

WELLINGTON CHIN
SUPERVISORY PATENT EXAMINER